
MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: K-SALT™ FRUIT FIX™800
GENERAL USE: Growth Regulator
PRODUCT DESCRIPTION: Odorless, colorless to light amber liquid
EPA Registration Number: 5481-413
MSDS No.: 188-5

MANUFACTURER:
AMVAC CHEMICAL CORPORATION
4100 E. Washington Blvd.
Los Angeles, CA 90023-4406
Ph: 213-264-3910
FAX: 213-268-1028

EMERGENCY TELEPHONE NUMBERS:
MANUFACTURER: 213-264-3910
TRANSPORTATION (24 HOURS)
CHEMTREC: 800-424-9300
MEDICAL (24 HOURS)
HIS: 800-228-5635, Ext. 169

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	WT%	CAS No.
Potassium salt of 1-Naphthaleneacetic acid	24.2	86-87-3 for free acid
Inert Ingredients	75.6	

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

COMPONENT	HAZARD	OSHA PEL*	ACGIH TLV*
None of the ingredients are listed as hazardous			

* Exposure Limits 8 hrs. TWA (ppm)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

THIS PRODUCT is not a significant, immediate concern for emergency response personnel. There is a chance of eye irritation upon contact. As with any chemical, ingestion, skin contact, and inhalation of mists should be monitored for overexposure symptoms.

This product should be kept out of bodies of water.

POTENTIAL HEALTH EFFECTS

ROUTE(S) OF ENTRY: This product may be contacted by inhalation, skin contact, eye contact, and ingestion.

SIGNS OF ACUTE OVEREXPOSURE: Acute overexposure to this product may irritate the skin, eyes, and mucous membranes. Ingestion may cause inebriation, headache, nausea, vomiting, and abdominal pains.

SIGNS OF CHRONIC OVEREXPOSURE: None known.

CARCINOGENICITY: None of the components of this product have been identified as being carcinogenic.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin or respiratory disorders may be aggravated by exposure to components of this product.

4. FIRST AID MEASURES

EYES: Immediately flush the eyes with copious amounts of clear, cool running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. Contact a physician immediately. If there will be a delay in getting medical attention, rinse eyes for at least another 15 minutes.

INHALATION: Remove victim to fresh air. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen. Contact a physician immediately.

INGESTION: Immediately dilute the swallowed product by giving large quantities of water. Induce vomiting by giving Syrup of Ipecac according to bottle directions, or, if necessary, by touching the back of the throat with a finger. Never give anything by mouth to an unconscious or convulsing person. Contact a physician immediately.

SKIN: Immediately flush all affected areas with large amounts of clear water for at least 15 minutes. Remove contaminated clothing. Do not attempt to neutralize with chemical agents. Wash clothing before reuse. If skin irritation develops, contact a physician immediately.

NOTE TO PHYSICIANS: Treat symptomatically. Further information on this product can be obtained from the Health Information Service (HIS). The toll free number for HIS is 1-800-228-5635, Ext. 169.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: N/Ap
Autoignition Temperature: N/Ap
Flammable Limits:
 Lower flammable limit: N/Ap
 Upper flammable limit: N/Ap

HAZARDOUS COMBUSTION PRODUCTS: May emit hazardous fumes when heated excessively. Wear self-contained breathing apparatus.

EXTINGUISHING MEDIA: Nonflammable. Base decision on surrounding materials in fire.

FIRE FIGHTING INSTRUCTIONS: None

6. ACCIDENTAL RELEASE MEASURES

GENERAL: Use adequate ventilation and air-supplied respirators, as well as imperious clothing and safety goggles, in order to prevent skin, respiratory, and eye contact. Keep bystanders upwind and away from the spill.

SMALL SPILL: Cover with absorbent (clay, sawdust, straw, kitty litter, etc.), to absorb the liquid. Sweep into an open drum. Close the drum and dispose of properly.

LARGE SPILL: Dike the spill to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances. Clean the area as described for a small spill.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with the skin and eyes. Keep this product away from food and drink. Keep it away from children and pets. Do not cross-contaminate this product with pesticides.

STORAGE: Store the product in its original container in a cool (not in direct sunlight), dry, locked place out of reach of children. Do not allow product to freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None

RESPIRATORY PROTECTION: A properly FIT-TESTED NIOSH/MSHA approved respirator fitted with organic vapor cartridges may be required when working with this product if there is a chance of exposure to the mists.

SKIN PROTECTION: The minimum protective clothing required is full-body covering clothing, such as slacks and long-sleeved shirt or coveralls, shoes or boots, and gloves. Certain states may require further protection. Your State Department of Agriculture should be consulted for the most current requirements.

EYE PROTECTION: Safety glasses are required whenever a person is working with chemicals. Safety goggles should be worn if there is a chance of exposure to mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 102°C/216°F
Crystallization Point: -2°C/28°F
Specific Gravity: 1.050 g/cm³
Bulk Density: 8.76 lb/gal
Vapor Pressure (mm/Hg): 17
Percent Volatile by Vol: 75.8%
Solubility in Water: Miscible
Reactivity with Water: None
Evaporation Rate: 1.0 as compared to water
Appearance: Colorless to light amber liquid
Odor: Odorless

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (Conditions to avoid): Stable under normal use conditions.

INCOMPATIBILITY: Addition of acids to the product will cause the Naphthaleneacetic acid to precipitate from the solution.

HAZARDOUS DECOMPOSITION PRODUCTS: When the product is heated to decomposition, acrid smoke and fumes may be given off.

HAZARDOUS POLYMERIZATION: This product will not polymerize.

11. TOXICOLOGICAL INFORMATION

INGESTION:	Oral LD ₅₀ (rat, male/female):	>5050 mg/kg//4400 mg/kg
INHALATION:	Inhalation LC ₅₀ (rat):	>1.62 mg/L (aerosol)
DERMAL:	Skin LD ₅₀ (rabbit):	>2020 mg/kg
EYE IRRITATION:	Eye irritation:	Irritating. No "positive" effects 10 days after treatment. (Toxicity Category II.)
OTHER:	Skin irritation:	Slight (Toxicity Category IV)

12. ECOLOGICAL INFORMATION

This product is a plant growth inhibitor. Keep out of all water supplies.

13. DISPOSAL CONSIDERATIONS

If wastes from this product cannot be disposed by use according to label instructions, they should be disposed as a hazardous waste at a regulated disposal facility. Contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. Open dumping is prohibited.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

14. TRANSPORTATION INFORMATION

DOT: None

IMDG (Bulk Shipments): None

IATA (Nonbulk Shipments): None

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

This product is registered under EPA/FIFRA Regulations. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

OSHA: SARA TITLE III DATA

Section 311 & 312 Hazard Categories:

Immediate Health Hazard: Yes

Delayed Health Hazard: No

Fire Hazard: No

Reactive Hazard: No

Sudden Pressure Release Hazard: No

Section 302 Extremely Hazardous Substances: None

Section 313 Toxic Chemicals: None

CERCLA: None

STATE REGULATIONS:

CALIFORNIA (Proposition 65): None

16. OTHER INFORMATION

MSDS Status:

Date This Revision: 8/28/95

Date Previous Revision: 8/09/93

Person Responsible for Preparation: Gary A. Braden

Reasons for Revision: Entire MSDS was reformatted to reflect the new recommended ANSI format. In addition, changes were made in sections 3, 11, and 14.

DISCLAIMER:

This information is provided for the limited guidance to the user. While Amvac believes that the information is, as of the date hereof, reliable, it is the user's responsibility to determine the suitability of the information for its purposes. The user is advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist (like combinations with other materials), or because of applicable regulations. No express or implied warranty of merchantability or fitness for a particular purpose or otherwise is made hereunder with respect to the information or the product to which the information relates.

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ABBREVIATIONS:

N/A	-	Not available
N/Ap	-	Not applicable
lel	-	Lower explosive (flammable) limit
uel	-	Upper explosive (flammable) limit
ACGIH	-	American Conference of Governmental Industrial Hygienists
CERCLA	-	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	-	Environmental Protection Agency
FIFRA	-	Federal Insecticide, Fungicide, and Rodenticide Act
IARC	-	International Agency for Research on Cancer
NTP	-	National Toxicology Program
SARA	-	Superfund Amendments and Reauthorization Act
TSCA	-	Toxic Substances Control Act

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